

Title (en)  
ELECTRODEPOSITION PROCESS

Title (de)  
ELEKTROABSCHIEDUNGSVERFAHREN

Title (fr)  
PROCEDE D'ELECTRODEPOSITION

Publication  
**EP 1802713 A1 20070704 (EN)**

Application  
**EP 05790150 A 20050823**

Priority  
• US 2005029994 W 20050823  
• US 92408504 A 20040823

Abstract (en)  
[origin: US2006037861A1] The present invention is directed to an electrodeposition process for producing a coated substrate having improved properties. The electrodeposition process comprises coating a substrate with a liquid coating composition, immersing the substrate with the liquid coating composition in an electrodeposition bath, and applying an electrical current having a specified voltage to form an electrodeposition coating to the substrate. In a preferred embodiment, the electrical current is applied prior to immersing the coated substrate in the bath. The coating can further be etched to beneficially texture the surface of the coated substrate. The substrate coated with the process of the invention exhibits improved corrosion resistance, durability, lubricity, adhesion, as well as other favorable characteristics.

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